Science 7 – Investigation 4 – B (pg. 108)

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Scientific Method**:

1. Ask a question:

Is a solution homogeneous throughout?

1. Do research:

Science classes activities, notes, and text.

1. Make a hypothesis: (Pick 1)
2. A solution is homogeneous throughout.

**or**

1. A solution is not homogeneous throughout.
2. Test your hypothesis (Experiment):

Materials list: (Write the items you used here.)

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Procedure:

1. Read text pages 108 -109.
2. Gather & record materials.
3. Test top of solution and record/draw results.
4. Test middle of solution and record/draw results.
5. Test bottom of solution and record/draw results.
6. Answer questions.
7. Hand in.
8. Analyze data and make a conclusion (What does the data tell you?):

Was your hypothesis correct? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Communicate results. (Answer the hypothesis):
2. List 3 properties of water.
3. List 3 properties of drink mix.
4. List 3 properties of drink mix solution.
5. What was the solvent?
6. What was the solute?
7. Draw a “Particle Theory “ drawing of the solution. Label fully.